



Key Features

- 868 – 870 MHz Operating Frequency ✔

- Up to 30 field devices per transponder ✔

- 5 modes of operation ✔

- Low operating current ✔

- Optional PC configuration ✔

Overview

The Wi-Fyre Transponder has been designed to communicate with up to 30 mixed field devices such as smoke and heat detectors, manual call points, sounders and LED indicators, and input/output devices.

There are two versions with or without LCD indication.

The Wi-Fyre Transponder is small and easy to install. Commissioning is accomplished either using an inbuilt 5 button plus LCD panel front display, or via an optional Wi-Fyre PC interface card connected to a PC or laptop.

Approvals

Wi-Fyre is approved by TUV for safe use and installation in any European Union country and bears the CE mark to show that it complies with all the applicable Directives including the CPR, EMC and the Low Voltage Directive (LVD).

EN54-25:2008

Fire detection and fire alarm systems – components using radio links.

Tech Specs

Operating Frequency	868 – 870 MHz, 14dBm
Operating Channels	28
Field Devices (max)	30 per transponder
Range	150m open area

Tech Specs

Power Source	Addressable Loop, Conventional Zone and/or Auxiliary
Display	None or LCD
Local Control (optional)	5 Tactile push-buttons or PC connection
Zone In/Out Ratings	19 – 24Vdc, 400mA
Zone In/Out Terminal Alarm Resistance	Equivalent to 450 Ohm
Sounder In/Out Ratings (max)	8 – 24Vdc, 800mA
Manual Alarm Relay Contact	1 x Solid-state normally open, 60Vdc, 600mA
Automatic Alarm Relay Contact	1 x Solid-state normally open, 60Vdc, 600mA
Common Fault Contact	1 x Solid-state normally closed (failsafe), 60V, 500mA
Cable Terminals	Rising clamp 1.5mm
Operating Current (nom.)	12mA
Configuration Interface	Local and/or Wi-Fyre PC interface
Operating Temperature	-10 to +55°C
Ingress Protection	IP54, for Indoor use only
Humidity	10 to 95% RH (non-condensing)
Dimensions (Width x Height x Depth)	234 x 164 x 75mm
Weight	620g
Housing Material	Polycarbonate
Colour	White
Cable Entries	6 x 20mm
Applicable Standards	EN54-25, BS 5839 Part 1:2002, ENTSI 300:220

Ordering Information

Part Number	Description
10-001	Wi-Fyre Universal Wireless Transponder with LCD Indication & Control
10-002	Wi-Fyre Universal Wireless Transponder without Local Indication & Control
10-005	Wi-Fyre Universal Wireless Transponder, ProFyre Loop with LCD Indication & Control
10-006	Wi-Fyre Universal Wireless Transponder, ProFyre Loop, No LCD Indication & Control
10-083	Wi-Fyre Transponder LCD Indication & Control Front-plate